| Ind | ex | of | Cla | ims |  |
|-----|----|----|-----|-----|--|
|     |    |    |     |     |  |

| Application No. | Applicant(s)  |
|-----------------|---------------|
| 10/644,919      | MIYAKI ET AL. |
| Examiner        | Art Unit      |
| DiLinh Nguyen   | 2814          |

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |  |
|---|--------------------------------|--|
| + | Restricted                     |  |

| N | Non-Elected  |  |
|---|--------------|--|
| ı | Interference |  |

| Α | Appeal   |
|---|----------|
| 0 | Objected |

| Cla       | aim      |              |  |          |          | Date     | •  |          |          |                               |          | С            | aim      |          |          |          | D                   | ate      |          |   |          |       | CI           | aim        |  |           |          | C        | ate            |          |                 | _        |          |
|-----------|----------|--------------|--|----------|----------|----------|--|----------|----------|-------------------------------|----------|--------------|----------|----------|----------|----------|---------------------|----------|----------|---|----------|-------|--------------|------------|--|-----------|----------|----------|----------------|----------|-----------------|----------|----------|
| Final     | Original |              |  |          |          |          |  |          |          |                               |          | Final        | Original |          |          |          |                     |          |          |   |          |       | Final        | Original   |  |           |          | ,        |                |          |                 |          |          |
|           |          | <u> </u>     |  | _        | 4        |          |  |          |          |                               |          |              |          | _        |          |          |                     |          | -        | $\bot$  | -        |       |              | 101        |  | $\dashv$  | _        | -        | 4              | _        | +               | $\dashv$ | $\dashv$ |
| <u> </u>  | 1        |              | $\dashv$   |          |          |          | $\dashv$   | _        |          | ⊢                             |          |              | 51       | -        | $\vdash$ | -        | +                   | +        | +        | +   | +        |       |              |            |  | $\vdash$  | ┥        | $\dashv$ | $\dashv$       | -+       | $\dashv$        | $\dashv$ | ᅱ        |
|           | 2        | $\vdash$     | Н  |          | -        | _        | -  | Н        | ├-       | <u> </u>                      |          | <u> </u>     | 52       | -        |          | -        | -                   | -        |          | +   | +-       |       |              | 102        |  | $\dashv$  | +        | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ |
| <u> </u>  | 3_       | <u> </u>     |  |          |          | _        |  |          | ⊢        | <del> </del>                  |          | ⊢            | 53<br>54 | -        | $\dashv$ | $\dashv$ | $\dashv$            | +        | +        |   | ╁        |       |              | 103        |  | $\dashv$  | $\dashv$ | ┥        | $\dashv$       | -        | +               | $\dashv$ | $\dashv$ |
| <u> </u>  | 4        | -            |  | $\dashv$ |          |          | $\vdash$   | _        | ₩        | ⊢                             |          | -            | 55       | ┼-       | $\vdash$ | $\dashv$ | $\dashv$            | $\dashv$ | +        | +-  | ╁        |       |              | 105        |  | $\vdash$  | $\dashv$ | ┪        | -              | -        | +               | -        | $\dashv$ |
|           | 5<br>6   | H            |  | $\dashv$ |          | -        |  | _        | ┢        | ┢                             |          | <u> </u>     | 56       | $\vdash$ | $\vdash$ |          | $\dashv$            | $\dashv$ | +        | +   | +        |       |              | 106        |  | $\dashv$  | ┪        | $\dashv$ | -              | $\dashv$ | 十               | $\dashv$ |          |
|           | 7        | H            | Н  |          |          | $\vdash$ | H  |          | $\vdash$ | $\vdash$                      |          | <del> </del> | 57       | -        | $\vdash$ | $\dashv$ | $\dashv$            | $\dashv$ | +        | ╅   | +        |       |              | 107        |  | $\vdash$  | -+       | $\neg$   | $\dashv$       | $\dashv$ | +               | ┪        | $\dashv$ |
|           | 8        | $\vdash$     | H  | $\dashv$ | ┪        |          | $\vdash$   | _        | $\vdash$ | $\vdash$                      |          | <b></b> -    | 58       | +-       |          | $\dashv$ | +                   | $\dashv$ | 十        | +   | 十        |       |              | 108        |  | H         |          | 7        |                | 寸        | 十               | 一        | $\dashv$ |
| <b></b>   | 9        | $\vdash$     | _  | +        | ᅱ        | -        |  | _        | t        | -                             |          |              | 59       | +-       | H        | 一        | +                   | 十        | 十        | ┰   | 1        |       |              | 109        |  | П         | $\neg$   | 寸        | $\dashv$       | ┪        | $\neg$          | 7        | ヿ        |
| <b></b> - | 10       | <del> </del> | Н  | _        | $\dashv$ | $\dashv$ | $\vdash$   | H        | H        |                               |          |              | 60       | $\vdash$ | П        | _        | 寸                   | ┪        | -        | 1   |          |       |              | 110        |  | $\Box$    | $\dashv$ | 寸        | 寸              | ヿ        | $\neg$          | ヿ        | ヿ        |
|           | 11       | -            | Н  |          |          | $\neg$   | Н  |          | ┢        | Т                             |          | _            | 61       | Т        |          |          | $\neg$              | $\neg$   | 十        | _   | $\top$   |       |              | 111        |  | П         | 寸        |          | ヿ              |          | ヿ               | $\neg$   |          |
|           | 12       | T            | Н  | _        |          |          | H  | <u> </u> | 1        | Т                             |          |              | 62       | Т        | $\sqcap$ | $\neg$   | $\dashv$            | $\dashv$ | $\top$   | $\top$  | Τ        | 1     |              | 112        |  | П         |          |          |                |          |                 | 一        | $\Box$   |
|           | 13       | Г            | М  | $\dashv$ | $\neg$   | П        |  |          |          | Г                             |          |              | 63       | Т        | П        | $\neg$   | 寸                   | $\neg$   | 丁        |   |          |       |              | 113        |  |           |          |          |                |          | $\Box$          |          |          |
| <b>—</b>  | 14       | Г            | М  | 一        |          |          | П  |          | 1        | Г                             |          |              | 64       |          | П        |          |                     | $\Box$   | $\Box$   |   |          |       |              | 114        |  |           |          |          |                |          | $\Box$          | $\Box$   |          |
|           | 15       |              |  |          |          |          |  |          | T        | Г                             |          |              | 65       | Т        | П        |          | $\Box$              |          | $\Box$   |   |          |       |              | 115        |  |           |          |          |                |          |                 |          |          |
|           | 16       |              |  |          | $\neg$   | П        | П  | · ·      |          |                               |          |              | 66       |          |          | J        | J                   | $\Box$   | $\Box$   |   |          | ]     |              | 116        |  | $\square$ |          |          |                |          | $\Box$          |          |          |
|           | 17       | ·            |  |          |          |          |  |          |          |                               |          |              | 67       |          |          |          |                     |          |          |   |          |       |              | 117        |  |           |          |          | _              |          |                 |          |          |
|           | 18       |              |  |          |          |          |  |          |          |                               |          |              | 68       |          |          |          |                     |          |          |   |          |       |              | 118        |  |           |          |          |                |          |                 |          | Ц        |
|           | 19       |              |  |          |          |          |  |          |          |                               |          |              | 69       |          |          |          |                     |          |          |   |          |       |              | 119        |  | Ш         | _        |          |                | _        |                 |          | ᆜ        |
|           | 20       |              |  |          |          |          |  |          |          |                               |          |              | 70       |          |          |          | ,                   |          |          |   |          |       |              | 120        | Ш  |           | _        |          |                | _        | _               | _        | _        |
|           | 21       |              |  |          |          |          |  |          |          |                               |          |              | 71       |          |          | $\Box$   |                     |          |          |   |          |       |              | 121        |  | Ш         | _        |          | _              | _        | _               | _        |          |
|           | 22       |              |  |          |          |          |  |          |          |                               |          |              | 72       |          | Ш        | _        | _                   | _        | _ _      | _   | ┸        |       |              | 122        |  | Ц         | _        |          | _              | _        | $\dashv$        | _        | _        |
|           | 23       | 匚            |  |          |          |          |  | L        |          |                               |          | <u> </u>     | 73       | ļ        | Ш        | _        | _                   | _        |          | _   | <u> </u> |       |              | 123        |  | $\square$ | _        |          | _              | _        | $\dashv$        | _        | $\dashv$ |
|           | 24       |              |  |          |          |          | Ш  |          | _        | <u> </u>                      |          |              | 74       | <u> </u> | Ш        |          | _                   | _        | 4        | _   | 1_       |       |              | 124        | $oxed{oxed}$                                     | Н         | _        |          | _              | _        | $\dashv$        | $\dashv$ | $\dashv$ |
|           | 25       | L            |  |          |          |          | Ш  |          | <u> </u> |                               |          | <u> </u>     | 75       | ╄        |          | _        | _                   | _        |          | _   | 4        |       |              | 125        |  | Н         |          |          | _              | -        | $\dashv$        | $\dashv$ | $\dashv$ |
|           | 26       |              | _  |          |          |          |  |          | <u> </u> | _                             |          | L_           | 76       | $\vdash$ | $\sqcup$ | _        |                     | _        | _        | +   | 4        |       |              | 126        |  | $\vdash$  |          | -        | $\dashv$       | -        | $\dashv$        | $\dashv$ |          |
|           | 27       | L            |  |          |          | L        |  |          | ╄        | ┡                             |          | <u> </u>     | 77       |          |          |          | $\rightarrow$       | -        |          | _   |          |       |              | 127        | _  | $\vdash$  |          |          | $\dashv$       | $\dashv$ | $\dashv$        | $\dashv$ |          |
|           | 28       | L            | lacksquare                                       |          | -        | L        | Ш  | _        | ╄        | ┡                             | <b>.</b> | <u> </u>     | 78       | -        | $\sqcup$ | $\dashv$ | $\dashv$            |          | -        | _   | +-       |       | <u> </u>     | 128        |  | Н         |          | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ |
| ļ         | 29       | ⊢            |  |          |          |          |  | -        | ╄        | ├-                            |          | <u> </u>     | 79       | $\vdash$ | $\vdash$ | $\dashv$ | -                   | _        | +        | +   | +        | 4     | <u> </u>     | 129<br>130 | _  | $\vdash$  |          |          |                | ┵        | $\dashv$        | $\dashv$ | $\dashv$ |
| ļ         | 30       | ⊢            | _  |          |          |          |  | <u> </u> | ╁        | -                             |          | <u> </u>     | 80       | ╁        | $\vdash$ | $\dashv$ | $\dashv$            | -+       | +        | +   | +-       | 1     |              | 131        | $\vdash$   | Н         | $\dashv$ | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$        | $\dashv$ | $\dashv$ |
| <u> </u>  | 31       | ⊢            | H  | _        |          | $\vdash$ | -  | ⊢        | ╀        | ╁                             | ł        |              | 81<br>82 | ┼─       | Н        | $\dashv$ | $\dashv$            | -        | +        |   | +-       | 1     |              | 132        | $\vdash$   | $\vdash$  |          | -        | -              | $\dashv$ | -               |          | $\dashv$ |
|           | 32       | ⊢            | $\vdash$   |          |          |          |  | ┝        | ╀        | ╁                             |          | ┢            | 83       | ╁        | Н        | $\dashv$ |                     | $\dashv$ | ╁        |   | +        | 1     | <del> </del> | 133        |  | 1-1       | $\dashv$ | $\dashv$ | $\dashv$       |          | $\dashv$        | $\dashv$ | $\dashv$ |
|           | 34       | ⊢            | $\vdash$   |          |          | $\vdash$ | $\vdash$   | $\vdash$ | $\vdash$ | ┢                             |          | <b> </b>     | 84       | ┢        |          | $\dashv$ | -                   | $\dashv$ | +        | $\dashv$  | +        |       | ┢            | 134        |  | H         | $\dashv$ | $\dashv$ | 一              |          | $\dashv$        | -        | $\dashv$ |
| $\vdash$  | 35       | ├            | ⊢  |          |          | -        | H  | -        | $\vdash$ | ┢                             |          | <del> </del> | 85       | +        |          | $\dashv$ | $\dashv$            | $\dashv$ |          | +   | +-       |       | $\vdash$     | 135        | $\vdash$   | $\vdash$  | $\neg$   |          |                |          | $\neg$          | ᅥ        | $\dashv$ |
| $\vdash$  | 36       |              | $\vdash$   |          |          | $\vdash$ | <del>                                     </del> | -        | +        | ╁                             |          | -            | 86       | +        | $\vdash$ | ᅥ        | $\dashv$            | $\dashv$ | +        | +   | +        | 1     | $\vdash$     | 136        | ╁  | ┌┤        |          | $\dashv$ | $\dashv$       | $\dashv$ | $\dashv$        | 一        | $\dashv$ |
| $\vdash$  | 37       | $\vdash$     | <del>                                     </del> | $\vdash$ | $\vdash$ | -        | $\vdash$   | +-       | $\vdash$ | 1                             | 1        |              | 87       | +        | Н        | $\dashv$ | $\dashv$            | -        | +        | $\top$  | +-       | 1     |              | 137        | T  | П         | $\neg$   |          | _              | 一        | $\dashv$        | $\neg$   | $\neg$   |
| $\vdash$  | 38       | t            | $\vdash$   | H        | $\vdash$ | $\vdash$ | -  | H        | t        | t                             | liii     |              | 88       | 1        | H        | ᅱ        | $\dashv$            |          | 十        | $\top$  | $\top$   | 1     | $\vdash$     | 138        | <del>                                     </del> | П         | $\neg$   | $\neg$   |                | $\neg$   | 一               | $\dashv$ | $\neg$   |
| -         | 39       | $\vdash$     | Т  | П        |          |          | $\vdash$   | tΤ       | T        | $\vdash$                      | 1        |              | 89       | †        | П        | ᅥ        | $\dashv$            | $\neg$   | $\dashv$ | $\top$  | 1        | 1     |              | 139        | Г  | П         | $\neg$   |          |                |          | $\Box$          |          |          |
|           | 40       | $\vdash$     | Т  | Н        | $\vdash$ | $\vdash$ | П  | Т        | †        | T                             |          |              | 90       | T        | П        |          | $\sqcap$            | 7        | $\dashv$ | $\dashv$  | $\top$   | 1:::  |              | 140        |  | $\Box$    |          |          |                |          |                 | $\Box$   |          |
|           | 41       | T            | Г  | Г        | П        | $\vdash$ | П  | Т        | 1        | T                             | ۱        |              | 91       | 1        | П        |          | П                   | $\neg$   | $\neg$   | $\top$  | T        | 1     |              | 141        |  |           |          |          |                |          |                 |          |          |
|           | 42       | T            |  |          |          |          | Г  |          | 1        | 1                             | 1        |              | 92       | T        | П        |          |                     |          |          |   | $\perp$  | ]     |              | 142        |  |           |          |          |                |          | $\Box$          |          |          |
|           | 43       | 1            | Γ  |          |          |          |  |          |          |                               |          |              | 93       | Ι        |          |          |                     |          |          | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |          |       |              | 143        |  |           |          |          |                |          |                 | ]        |          |
|           | 44       |              |  |          |          |          |  |          |          |                               |          |              | 94       |          |          |          |                     | $\Box$   |          |   |          |       |              | 144        |  | Ц         |          |          |                |          | 山               | ]        |          |
|           | 45       | L            |  |          |          |          | $\Box$   |          |          |                               |          |              | 95       |          |          |          |                     | $\Box$   | $\Box$   |   |          |       |              | 145        | 匚  | Ш         |          |          |                |          |                 |          |          |
|           | 46       |              |  |          |          |          |  |          |          |                               |          |              | 96       |          |          |          |                     |          |          |   |          |       |              | 146        | oxdot  | Ш         | Ш        |          |                |          | Ш               |          |          |
|           | 47       |              |  |          |          |          |  |          | $\perp$  |                               |          |              | 97       |          |          |          | Ш                   | [        | _        | $\bot$  | $\perp$  | 1     |              | 147        | <u> </u>   | Ш         | Щ        | Ш        | Ш              | Ш        | $\sqcup$        | _        |          |
|           | 48       |              |  |          | <u> </u> | L        | <u> </u>   | ╙        | $\perp$  | $oldsymbol{oldsymbol{\perp}}$ |          | <u></u>      | 98       | 1        | Ш        |          | Щ                   | _        | 4        | $\bot$  | $\bot$   | 4     |              | 148        | <u> </u>   | $\sqcup$  | Щ        |          | Ш              | Ш        | $\vdash \vdash$ |          |          |
| <u> </u>  | 49       | _            | oxdapsilon                                       | <u> </u> | <u> </u> | <u> </u> | oxdapsilon                                       | ــــ     | ╄        | ┺                             |          | <u></u>      | 99       | <b> </b> | $\sqcup$ |          | $\sqcup \downarrow$ |          | $\perp$  | $\bot$  | $\perp$  | 4     |              | 149        | ₩  | -         |          | !        | $\blacksquare$ |          | $\vdash \vdash$ | _        |          |
|           | 50       | L            | L.   | L        |          | <u> </u> |  | L        | L        |                               | J ::::   |              | 100      | <u> </u> |          |          | oxdot               |          |          |   |          | J:::: | Щ            | 150        | <u> </u>   | Ш         |          |          |                |          | $\sqcup$        |          |          |